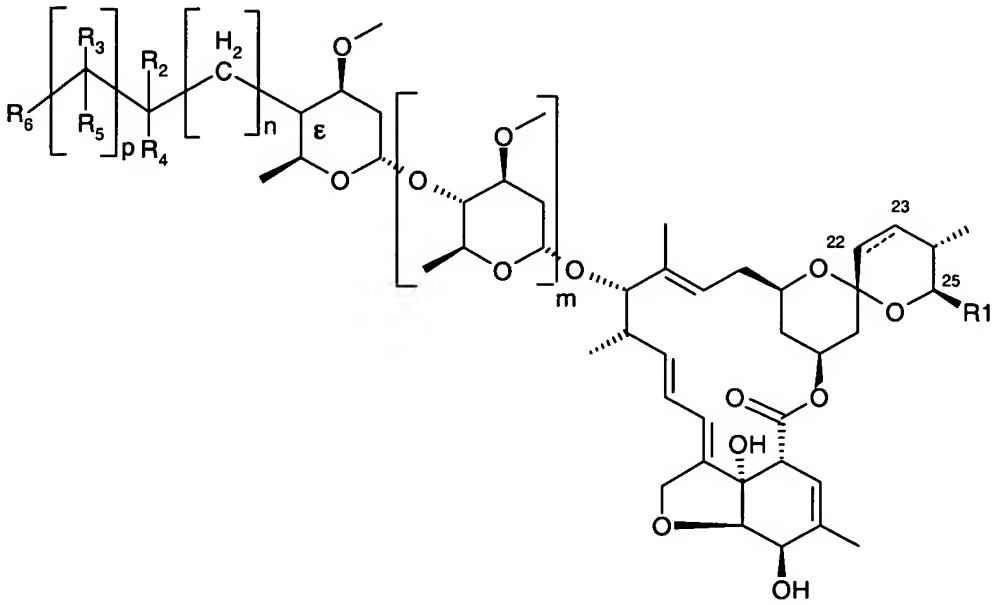
AMENDMENTS TO THE CLAIMS

WHAT IS CLAIMED IS:

1. (Original): A compound of the formula



(I),

wherein the bond of atoms C_{22} and C_{23} is a single or double bond;

m is 0 or 1;

n is 0, 1 or 2;

p is 0 or 1;

R_1 is C_1-C_{12}-alkyl, C_3-C_8-cycloalkyl or C_2-C_{12}-alkenyl;

R_2 is H, C_1-C_{12}-alkyl, C_1-C_{12}-haloalkyl, C_1-C_{12}-hydroxyalkyl, OH, halogen, -N_3, SCN, NO_2, CN, C_3-C_8cycloalkyl unsubstituted or substituted by from one to three methyl groups, C_3-C_8halocycloalkyl, C_1-C_{12}alkoxy, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkoxy, C_1-C_6alkoxy--C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_2-C_{12}haloalkynyl, C_3-C_{12}alkynyloxy, C_3-C_{12}haloalkynyloxy, -P(=O)(OC_1-C_6alkyl)$_2$, -Si(C_1-C_6alkyl)$_3$, -(CH_2)-Si(C_1-C_6alkyl)$_3$, -Si(OC_1-C_6alkyl)$_3$, -N(R_9)$_2$, -(CH_2)-N(R_9)$_2$, wherein the two substituents R_9 are independent of each other, -C(=X)-R_7, -(CH_2)-C(=X)-R_7, -O-C(=X)-R_7, -(CH_2)-O-C(=X)-R_7, -S-C(=X)-R_7, -(CH_2)-S-C(=X)-R_7, -NR_9C(=X)R_7, -(CH_2)-NR_9C(=X)R_7, -NR_9NHC(=X)-R_7, -NR_9-OR_{10}, -(CH_2)-NR_9-OR_{10}, -SR_9, -S(=O)R_{11}, -S(=O)$_2$$R_{11}$, aryl, heterocyclyl, aryloxy or heterocyclyloxy; wherein the aryl, heterocyclyl, aryloxy and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of OH, halogen, CN, NO_2, SCN, -N_3, C_1-C_{12}alkyl, C_3-C_8cycloalkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_8alkenyl, C_2-C_8alkynyl,

C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl, C_3-C_{12}alkynyloxy, C_3-C_{12}haloalkynyloxy and phenoxy;

or, when p is 1, R_2 together with R_3 is a bond;

or R_2 together with R_4 is =O or =S;

or R_2 together with R_4 form with the carbon to which they are bound a three- to seven-membered ring, which may be monocyclic or bicyclic, and may be saturated or unsaturated, and that may contain one or two hetero atoms selected from the group consisting of N, O and S, and which is either unsubstituted or independently of one another mono- to pentasubstituted with substituents selected from OH, =O, SH, =S, halogen, CN, $-N_3$, SCN, NO_2, aryl, C_1-C_{12}alkyl, C_3-C_8cycloalkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_8alkenyl, C_2-C_8alkynyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl, C_3-C_{12}alkynyloxy, C_3-C_{12}haloalkynyloxy, phenoxy, phenyl-C_1-C_6alkyl, $-N(R_9)_2$ wherein the two R_9 are independent of each other, C_1-C_6alkylsulfinyl, C_3-C_8cycloalkylsulfinyl, C_1-C_6haloalkylsulfinyl, C_3-C_8halocycloalkylsulfinyl, C_1-C_6alkylsulfonyl, C_3-C_8cycloalkylsulfonyl, C_1-C_6haloalkylsulfonyl and C_3-C_8halocycloalkylsulfonyl; or

R_2 together with R_4 is $=NN(R_{12})_2$, wherein the two substituents R_9 are independent of each other;

or, when p is 0, R_2 together with R_4 and R_6 is $\equiv N$;

or when p is 0, R_2 together with R_6 is $=NOR_{12}$ or $=NN(R_{12})_2$, wherein the two substituents R_9 are independent of each other;

R_3 is H, C_1-C_{12}-alkyl, halogen, halo-C_1-C_2alkyl, CN, $-N_3$, SCN, NO_2, C_3-C_8cycloalkyl unsubstituted or substituted by from one to three methyl groups, C_3-C_8halocycloalkyl, C_1-C_{12}alkoxy, C_1-C_6-alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkoxy-C_1-C_6alkyl, C_3-C_8cycloalkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_3-C_8cycloalkylthio, C_1-C_{12}haloalkylthio, C_1-C_{12}alkylsulfinyl, C_3-C_8cycloalkylsulfinyl, C_1-C_{12}haloalkylsulfinyl, C_3-C_8halocycloalkylsulfinyl, C_1-C_{12}alkylsulfonyl, C_3-C_8cycloalkylsulfonyl, C_1-C_{12}haloalkylsulfonyl, C_3-C_8halocycloalkylsulfonyl, C_2-C_8alkenyl, C_2-C_8alkynyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy, $-N(R_9)_2$, wherein the two substituents R_9 are independent of each other, aryl, heterocyclyl, aryloxy or heterocyclyloxy; wherein the aryl, heterocyclyl, aryloxy and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of halogen, CN, NO_2, C_1-C_{12}alkyl, C_3-C_8cycloalkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl,

C_2-C_8alkenyl, C_2-C_8alkynyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl and C_3-C_{12}haloalkynyloxy;

or when p is 1, R_3 together with R_2 is a bond;

R_4 is H, C_1-C_{12}-alkyl, C_1-C_{12}-haloalkyl, C_1-C_{12}-hydroxyalkyl, OH, halogen, NO_2, CN, C_3-C_8cycloalkyl unsubstituted or substituted by from one to three methyl groups, C_3-C_8halocycloalkyl, C_1-C_{12}alkoxy, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkoxy, C_1-C_6alkoxy--C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy, -P(=O)(OC_1-C_6alkyl)$_2$, -Si(C_1-C_6alkyl)$_3$, -(CH_2)-Si(C_1-C_6alkyl)$_3$, -Si(OC_1-C_6alkyl)$_3$, -N(R_9)$_2$, -(CH_2)-N(R_9)$_2$, wherein the two substituents R_9 are independent of each
other, -C(=X)-R_7, -(CH_2)-C(=X)-R_7, -O-C(=X)-R_7, -(CH_2)-O-C(=X)-R_7, -S-C(=X)-R_7, -(CH_2)-S-C(=X)-R_7, -NR_9C(=X)R_7, -(CH_2)-NR_9C(=X)R_7, -NR_9NHC(=X)-R_7, -NR_9-OR_{10}, -(CH_2)-NR_9-OR_{10}, -SR_9, -S(=O)R_{11}, -S(=O)$_2R_{11}$, aryl, heterocyclyl, aryloxy or heterocyclyloxy; wherein the aryl, heterocyclyl, aryloxy and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of OH, halogen, CN, NO_2, C_1-C_{12}alkyl, C_3-C_8cycloalkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_8alkenyl, C_2-C_8alkynyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy and phenoxy;

or R_4 together with R_2 forms =O or =S;

or when p is 1, R_4 together with R_5 is a bond;

or, when p is 0, together with R_2 and R_6 is ≡N;

R_5 and R_6 independently of each other are H, C_1-C_{12}-alkyl, -N_3, CN, NO_2, OH, SH, halogen, halo-C_1-C_2alkyl, hydroxy-C_1-C_2alkyl, C_3-C_8cycloalkyl that is unsubstituted or substituted by from one to two methyl groups, C_3-C_8halocycloalkyl, C_1-C_{12}alkoxy, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkoxy, C_1-C_6alkoxy-C_1-C_6alkoxy-C_1-C_6alkyl, C_3-C_8cycloalkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}haloalkylthio, C_2-C_8alkenyl, C_2-C_8alkynyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy, -P(=O)(OC_1-C_6alkyl)$_2$, -CH_2-P(=O)(OC_1-C_6alkyl)$_2$, -Si(OC_1-C_6alkyl)$_3$, -N(R_9)$_2$, -O-N(R_9)$_2$, wherein the two substituents R_9 are independent of each
other, -C(=X)-R_7, -CH=NOH, -CH=NOC_1-C_6alkyl, -O-C(=X)-R_7, -S-C(=X)-R_7, -NR_9C(=X)R_7, -NR_9NHC(=X)-R_7, -NR_9-OR_{10}, -SR_9, -S(=O)R_{11}, -S(=O)$_2R_{11}$, -CH_2-S(=O)$_2R_{11}$, aryl, aryloxy, benzyloxy, -NR_9-aryl, heterocyclyl, heterocyclyloxy, -NR_9-heterocyclyl, -CH_2-aryl, -CH_2-O-aryl, -CH_2-NR_9-aryl, -CH_2-NR_9-C_1-C_2alkyl, -CH_2-heterocyclyl, -CH_2-O-heter

ocyclyl and -CH_2-NR_9-heterocyclyl; wherein the aryl, aryloxy, benzyloxy, -NR_9-aryl, heterocyclyl, heterocyclyloxy and -NR_9-heterocyclyl radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of OH, =O, SH, =S, halogen, CN, NO_2, C_1-C_{12}alkyl, C_3-C_8cycloalkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_8alkenyl, C_2-C_8alkynyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy, phenoxy, methylenedioxy, NH_2, NH(C_1-C_{12}alkyl), N(C_1-C_{12}alkyl)$_2$ and C_1-C_6alkylsulfinyl; or

R_5 and R_6 are, together with the carbon atom to which they are bound, a five- to seven-membered ring, which may be saturated or unsaturated, and which may contain one or two members selected from the group consisting of O, NR_8 and S; and which is optionally substituted with one to three substituents selected from C_1-C_{12}-alkyl, CN, NO_2, OH, halogen, halo-C_1-C_2alkyl, C_3-C_8cycloalkyl C_3-C_8halocycloalkyl, C_1-C_{12}alkoxy, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy--C_1-C_6alkoxy-C_1-C_6alkyl, C_3-C_8cycloalkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_3-C_8cycloalkylthio, C_1-C_{12}haloalkylthio, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_2-C_{12}haloalkynyl and C_3-C_{12}haloalkynyloxy;

or when p is 1, R_5 together with R_4 is a bond;

or, when p is 0, R_6 together with R_2 and R_4 is ≡N;

R_7 is H, OH, C_1-C_{12}alkyl, C_1-C_{12}haloalkyl, C_2-C_{12}alkenyl, C_2-C_{12}alkynyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_6-alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkoxy, C_2-C_8alkenyloxy, C_3-C_8alkinyloxy, -N(R_8)$_2$ wherein the two R_8 are independent of each other, aryl, aryloxy, benzyloxy, heterocyclyl, heterocyclyloxy or heterocyclylmethoxy; and wherein the aryl, aryloxy, benzyloxy, heterocyclyl and heterocyclyloxy radicals are unsubstituted or, depending upon the possibilities of substitution at the ring, mono- to penta-substituted by substituents selected from the group consisting of halogen, CN, NO_2, C_1-C_{12}alkyl, C_3-C_8cycloalkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_8alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_8alkynyl, C_2-C_{12}haloalkynyl and C_3-C_{12}haloalkynyloxy;

R_8 is H, C_1-C_6alkyl that is optionally substituted with one to five substituents selected from the group consisting of halogen, C_1-C_6alkoxy, C_1-C_6alkoxy-C_1-C_6alkoxy, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy, hydroxy and cyano, C_3-C_8-cycloalkyl, aryl, benzyl or heteroaryl; wherein the aryl, benzyl and heteroaryl radicals are unsubstituted or, depending on the possibilities of substitution on the ring, mono- to trisubstituted by substituents selected from the group consisting of OH, halogen, CN, NO_2,

C_1-C_{12}alkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_2-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy and C_1-C_{12}haloalkylthio;

R_9 is H, C_1-C_6alkyl, C_1-C_6cycloalkyl, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_{12}alkenyl, C_2-C_{12}alkynyl, benzyl, aryl or heteroaryl;

R_{10} H, C_1-C_6alkyl that is optionally substituted with one to five substituents selected from the group consisting of halogen, C_1-C_6alkoxy, NO_2, hydroxy and cyano, C_1-C_{12}haloalkyl, C_2-C_{12}alkenyl, C_2-C_{12}haloalkynyl, C_2-C_{12}haloalkenyl, C_2-C_{12}alkynyl, C_3-C_8-cycloalkyl, aryl, benzyl or heteroaryl; wherein the aryl, benzyl and heteroaryl radicals are unsubstituted or, depending on the possibilities of substitution on the ring, mono- to trisubstituted by substituents selected from the group consisting of OH, halogen, CN, NO_2, C_1-C_{12}alkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_3-C_{12}haloalkynyl and C_3-C_{12}haloalkynyloxy;

R_{11} is H, C_1-C_6alkyl that is optionally substituted with one to five substituents selected from the group consisting of halogen, C_1-C_6alkoxy, hydroxy and cyano, -$N(R_9)_2$ wherein the two substituents R_9 are independent of each other, C_3-C_8cycloalkyl, C_3-C_8halocycloalkyl, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_3-C_{12}haloalkynyl, C_3-C_{12}haloalkynyloxy, aryl, benzyl or heteroaryl; wherein the aryl, benzyl and heteroaryl radicals are unsubstituted or, depending on the possibilities of substitution on the ring, mono- to trisubstituted by substituents selected from the group consisting of OH, halogen, CN, NO_2, C_1-C_{12}alkyl, C_1-C_{12}haloalkyl, C_1-C_{12}alkoxy, C_1-C_{12}haloalkoxy, C_1-C_{12}alkylthio, C_1-C_{12}haloalkylthio, C_2-C_{12}alkenyl, C_2-C_{12}haloalkenyl, C_2-C_{12}haloalkenyloxy, C_2-C_{12}alkynyl, C_2-C_{12}haloalkynyl and C_3-C_{12}haloalkynyloxy;

R_{12} is H, C_1-C_6alkyl, C_1-C_6cycloalkyl, C_1-C_6alkoxy-C_1-C_6alkyl, C_1-C_6alkoxy-C_1-C_6alkoxy-C_1-C_6alkyl, C_2-C_{12}alkenyl, C_2-C_{12}alkynyl, -C(=O)C_1-C_6alkyl, -C(=O)OC_1-C_6alkyl, -SO_2C_1-C_6alkyl, benzyl, aryl, heteroaryl;

X is O or S;

or, if appropriate, an E/Z isomer, E/Z isomer mixture and/or tautomer thereof, in each case in free form or in salt form;

with the proviso, that the group R_6-[$C(R_3)(R_5)$]$_p$-$C(R_2)(R_4)$-[CH_2]$_n$-, which is attached to the ε-position of the compound of the formula (I), is not NC-CH_2- or HOOC-CH_2- when m is 1 and the bond between atoms 22 and 23 is a single bond.

2. (Currently Amended): A pesticide composition which contains at least one compound of the formula (I) as described in claim 1 as active compound and at least one auxiliary.

3. (Currently Amended): A method for controlling pests ~~wherein~~ comprising applying a composition as described in claim 2 ~~is applied~~ to the pests or their habitat.

4. (Currently Amended): A process for preparing a composition as described in claim 2 ~~which contains at least one auxiliary, wherein the active compound is mixed intimately and/or ground with the auxiliary(s)~~ comprising intimately mixing and/or grinding the active compound with at least one auxiliary.

5. (Cancelled).

6. (Cancelled).

7. Currently Amended): A method ~~according to claim 3~~ for protecting plant propagation material, wherein the propagation material or the location where the propagation material is planted is treated, comprising applying a composition as described in claim 2.

8. (Original): Plant propagation material treated in accordance with the method described in claim 7.